

# ZPT108K5E-TF5

HFC, R-410A, 60 Hz, 3 - Phase, 200/230 V

## Air Conditioning

**Production Status:** Available for sale to all U.S. customers. Please check with your local Copeland Representative for international availability.

## Summary

| Performance                          |            |         |
|--------------------------------------|------------|---------|
| Evaporator Temp. (°F)                | 45.00      | 50      |
| Condensing Temp. (°F)                | 130.00     | 100     |
| Return Gas Temp. (°F)                | 65.00      | 70      |
| Liquid Temp. (°F)                    | 115.00     | 85      |
| Capacity (BTU/hr)                    | 108000     | 146500  |
| Power (W):                           | 10150      | 6790    |
| Current (Amps):                      | 28.8       | 20.9    |
| EER(BTU/Wh):                         | 10.65      | 21.55   |
| Mass Flow (lbs/hr):                  | 1590       | 1800    |
| Sound Data @                         |            |         |
| Sound Power (dBA):                   | 71 Avg     | 76 Max  |
| Vibration mils(peak-peak):           | 2.0 Avg    | 3.0 Max |
| Record Date:                         | 2009-12-01 |         |
| Mechanical                           |            |         |
| Displacement (in <sup>3</sup> /Rev): | 6.24       |         |
| Displacement (ft <sup>3</sup> /Hr):  |            |         |
| Overall Length (in):                 | 24.32      |         |
| Overall Width (in):                  | 11.69      |         |
| Overall Height (in):                 | 18.40      |         |
| Mounting Length (in):                | 10.75      |         |
| Mounting Width (in):                 | 7.50       |         |
| Mounting Height (in):                | 18.70      |         |

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**Suction Size (in),Type:** 1 1 / 8 Stub

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**Discharge Size (in),Type:** 3 / 4 Stub

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**Initial Oil Charge (oz):** 84

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**Oil Recharge (oz):** 72

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**Oil Type:**

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**Net Weight (lbs):** 136.4

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**Internal Free Volume (in<sup>3</sup>):**

\*Overall compressor height on Copeland Brand Product's specified mounting grommets.

#### Electrical

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**LRA High\* (Amps):**

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**LRA Low\*(Amps):**

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**LRA Half Winding (Amps):**

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**MCC (Amps):**

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**Max Operating Current (Amps):**

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**RLA, MCC/1.4(use for contactor selection)(Amps):** 1.0

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**RLA, MCC/1.56(use for breaker & wire size selection)(Amps):**

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**RPM:** 3500

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**Box IP :**

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**UL File No:** SA2337

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**UL File Date:** 2003-12-17

\*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

#### Capacitors

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| Type | Part No | Low MFD | High MFD | Volts | User Description |
|------|---------|---------|----------|-------|------------------|
|------|---------|---------|----------|-------|------------------|

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No data available in table

#### Alternate Applications

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| Refrigerant | Voltage | Phase | Frequency | Application      |
|-------------|---------|-------|-----------|------------------|
| R-410A HFC  | 200/220 | 3     | 50        | Air Conditioning |

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## Nomenclature

**Family Series**

**Z:** Scroll

**Application Range**

**P:** A/C - R-410A/B

**Modulation**

**T:** Even Tandem

**T:** Even Tandem

**Capacity**

**108K:** Capacity Multiplier-1000

**Oil Type**

**E:** Polyol Ester

**Motor Type**

**T:** 3 Phase

**Motor Protection**

**F:** Internal Inherent Protection

**Voltage**

**5:** 60Hz (200/230-3) 50Hz (200/220-3)